$$\frac{(a)(a)}{(a)} = \frac{B}{(a)} + \frac{1}{(a)} + \frac{1}{(a)} = \frac{1}{(a)} + \frac{1}{(a)} = \frac{1}{(a)} + \frac{1}{(a)} = \frac{1}{(a)}$$

$$\frac{1}{a^{2}-b^{2}} = \frac{1}{arHy} = \frac{1}{arH$$

3 egame 5 (3) 1. Wpolepums < f. 1/27 = 0 $2. d, -? d_2 -?$ (1,1x) = d, exp(ixx/0) 3. pagnomums 14 > 10 dagueg 1/1,27; m.e. Hummin C, -? C2 V? 147-C/f,7+C2//2> (1,1x)= d2 exp(-ixx/a) Peruence: (1) $\langle f, | f_2 \rangle = \int_0^{\infty} d_1 d_2 = \int_0^{\infty} d_2 e^{-\frac{i\pi x}{\alpha}} dx = \int_0^{\infty} d_1 e^{-\frac{2i\pi x}{\alpha}}$ $= \left| \frac{e^{A \times i}}{e^{A \times i}} = \frac{e^{A \times i} + i \sin A \times}{e^{A \times i}} = \int_{0}^{\infty} d_{1} \left(\cos \frac{2\pi x}{a} - i \sin \frac{2\pi x}{a} \right) dx = 0$ $7 = \sqrt{100} = \sqrt{100}$ d= 1 = \(d_1 = \frac{1}{19} \) 12: 42/27 = Sd2d2/2 /2 dx => d2 = a => d2 = d1 = \fa

Pemerue: (3)
$$|\psi\rangle = C_1 |_1 > + C_1 |_2 > C_2 = C_1 |_2 > C_2 = C_1 |_2 > C_2 = C_2 |_2 > C_2 = C_2 |_2 > C_2 = C_2 |_2 > C_2 = C_1 |_2 > C_2$$